ELSEVIER

Forest Ecology and Management 117 (1999) 255–256

Forest Ecology and Management

Contents of *Forest Ecology and Management*, Volume 117

VOL. 117, NOS. 1–3 **17 MAY 1999**

Pinus caribaea in China: introduction, genetic resources and future prospects
H. Wang (Beijing, China), D.C. Malcolm (Edinburgh, UK) and A.M. Fletcher (Roslin, UK) 1
Modeling temperature gradients across edges over time in a managed landscape
S.C. Saunders, J. Chen, T.D. Drummer (Houghton, MI, USA) and T.R. Crow (Rhinelander, WI, USA) 17
Effect of gap size on seedling establishment, growth and survival at three years in mountain ash (*Eucalyptus regnans* F. Muell.) forest in Victoria, Australia
P.J. Van Der Meer, P. Dignan and A.G. Saveneh (Heidelberg, Australia) 33
Comparison of formulae for biomass content determination in a tropical rain forest site in the state of Pará, Brazil
T.M. Araújo (Cachoeira Paulista, Brazil), N. Higuchi (Manaus, Brazil) and J. Andrade de Carvalho Júnior (Cachoeira Paulista, Brazil) 43
Measures and operating standards for assessing Montreal process soil sustainability indicators with reference to Victorian Central Highlands forest, southeastern Australia
M.A. Rab (Frankston, Australia) 53
Effects of naturally regenerated *Acacia dealbata* on the productivity of a *Eucalyptus nitens* plantation in Tasmania, Australia
M.A. Hunt (Hobart, Australia), G.L. Unwin (Hobart, Australia and Beecraft, Australia) and C.L. Beadle (Hobart, Australia) .. 75
Self-thinning exponents based on the allometric model in Chinese pine (*Pinus tabulaeformis* Carr.) and Prince Rupprecht's larch (*Larix principis-rupprechtii* Mayr) stands
L. Xue, K. Ogawa (Nagoya, Japan), A. Hagihara (Okinawa, Japan), S. Liang and J. Bai (Taiyuan, China) 87
Structure of mangrove trees and forests in Micronesia
T.G. Cole, K.C. Ewel (Honolulu, HI, USA) and N.N. Devoe (Honolulu, HI, USA and Christchurch, New Zealand) 95
Stand dynamics of *Dacrydium cupressinum* dominated forest on glacial terraces, south Westland, New Zealand
H.M. Rogers (Christchurch, New Zealand) 111
Litterfall and nutrient return in seasonally flooded and non-flooded forest of the Pantanal, Mato Grosso, Brazil
R. Haase (Cuiabá-MT, Brazil) 129
Allometric regressions for improved estimate of secondary forest biomass in the central Amazon
B.W. Nelson, R. Mesquita (Manaus, Brazil), J.L.G. Pereira (São Paulo, Brazil), S.G. Aquino de Souza (Manaus, Brazil), G.T. Batista (São Paulo, Brazil) and L.B. Couto (Manaus, Brazil) 149
Snag density and composition of snag populations on two National Forests in northern Arizona
J.L. Ganey (Flagstaff, AZ, USA) 169
Needle litterfall prediction models for even-aged natural shortleaf pine (*Pinus echinata* Mill.) stands
M.M. Huebschmann, T.B. Lynch and R.F. Wittwer (Stillwater, OK, USA) 179
Incorporation of indices of annual climatic variation into growth models for *Pinus radiata*
P. Snowdon, T. Jovanovic and T.H. Booth (Canberra, Australia) 187
Availability of residual ^{15}N in a coniferous forest soil: a greenhouse bioassay and comparison with chemical extractions
S.X. Chang (Canterbury, New Zealand), C.M. Preston (Victoria, Canada) and G.F. Weetman (Vancouver, Canada) 199
Selection of flood-tolerant *Populus deltoides* clones for reforestation projects in China
F.L. Cao (Nanjing, China) and W.H. Conner (Georgetown, SC, USA) 211
Ecological meaning and predictive ability of social status, vigour and competition indices in a tropical rain forest (India)
M.-A. Moravie (Villeurbanne, France), M. Durand and F. Houllier (Pondicherry, India and Montpellier, France) 221

Regional frequencies of tree species associated with anthropogenic disturbances in three forest types
M.A. Stapanian (Columbus, OH, USA) and D.L. Cassell (Corvallis, OR, USA) 241

Erratum 253

Contents of *Forest Ecology and Management*, Volume 117 255